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III. Title: Ion...

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DESCRIPTORS: Fishes, Ecology, \*Herring, Reproduc-  
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- II. K-H-9477-c
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SLA TT 66-13040

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Classification of the Isolated Fungus, Mechanism of  
Its Toxin Production and Chemical Structure of Toxin,  
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JAPANESE, per, Nippon Saikingaku Zasshi, No 8,  
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Vitro Culturing of the Anthrax Bacillus,  
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ABC Tr 3924

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NIH 10-1

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Trans. of Nihon Saikingaku Zasshi (Japan) 1959,  
v. 14, no. 10, p. 868-872.

DESCRIPTORS: \*Antibodies, Purification,  
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III. Title: Studies. . .  
IV. ATS-68N57J  
V. Associated Technical  
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Orange, N. J.

ATS JJ-4167

(Biological Sciences--Biochemistry, TT, v. 7, no. 9)

Office of Technical Services

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STUDIES OF THE MECHANISM OF HISTAMINE  
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ANIMALS: REDUCED ACTIVITY OF HISTAMINASE.  
[1961] 7p.  
Order from ATS \$10.95                      ATS-69N57]

Trans. of Nihon Saikingaku Zasshi (Japan) 1959,  
v. 14, no. 12, p. 1026-1029.

DESCRIPTORS: \*Histamines, \*Sensitivity, Animals,  
\*Whooping cough, Allergy.

- I. Niwa, M.
- II. Yamadeya, Y. "
- III. ATS-69N57]
- IV. Associated Technical  
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- V. Title: Reduced...

ATS JJ-4168

(Biological Sciences--Pharmacology, TT, v. 7, no. 10)

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NIH 9-1-63

Sci - Biol & Med  
Nov 63

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USDA/AGRICULTURAL FIELD LAB.

S-3636-ARS-69

R-9780-D

30 Sept 68

Effects of Day Length Upon Development of Flower Buds in  
Cotton Plants

By: JIRO ONOTERA

From: Published by The Crop Science Society of Japan  
(Nippon Saikamotsu Gakkai) C/O Faculty of Agriculture  
Tokyo Imperial University, Tokyo, Japan pp5-25  
Vol. 10, No 1

Japanese - est for wds:

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IV; Active Supply of Oxygen From the Leaves of  
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No 1, 1960, pp 51-54.  
ELA TT-66-11792

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ture Conditions, by T. Nagai.

JAPANESE, per, Nippon Sakumotsu Gakkai Kiji,

Vol 31, 1963, pp 385-388.

\*AEC AERE-Harwell

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Y. Hayashi.  
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NRC - C-11469  
NTC 72-60804-06A

Jan 73

Asashiki, Yoshiyuki

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Properties of xanthine dehydrogenase of the silkworm  
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Transl. by Transl. Bur., Fgn. Lang. Div., Dept. of State of  
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Original Article Checked. *UK*

Characteristics of Heteroarginase, by G. Kobayashi,  
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NIH Tr 6-2

Sci - Biol

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Jul 57

Metabolism of L (+)-arginine, by G. Kobayashi,  
21 pp.

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No 4-5, Sep 1947, pp 92, 93.

NIH Tr 6-3

Sci - Biol

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Jul 57



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HEW NIH  
4-37-68

Sci/B & M  
June 68

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Difference With Age in the Minimum Time of Visual  
Sensation, by S. Hirano, 2 pp.

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p 215.

NIH 4-38

Sci - Med

May 59

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STUDIES ON THE ACTION OF NICOTINE ON THE  
BLOOD PRESSURE. [1962] 24p.  
Order from K-H \$30.00 K-H 9353 e

Trans. of [Nihon Seirigaku Zasshi] (Japan) 1951, v. 13,  
p. 203-210.

DESCRIPTORS: Pharmacology, \*Nicotine, \*Blood  
pressure.

(Biological Sciences--Pharmacology, TT, v. 9, no. 10)

62-22740

- I. Semba, T.
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Library Associates,  
Detroit, Mich.

Office of Technical Services

Koshino, Fujio.  
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[1962] 16p.

Order from K-H \$20.00

K-H 11401-f

Trans. of [Nihon Seirigaku Zasshi] (Japan) 1961, v. 23, p. 161-169.

DESCRIPTORS: \*Drugs, \*Inhibition, \*Acetylchollnes, Indoles, Nicotine, Vasomotor drugs, \*Histamines, \*Piperidines, Amino acids, Intestines.

(Biological Sciences--Pharmacology, TT, v. 8, no. 4)

62-17406

I. Koshino, F.  
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Library Associates,  
Detroit, Mich.

SLATT-44-10425

Office of Technical Services

TT-64-10602

Watanabe, A. and Yuasa, T.  
RELATION OF ACETYLCHOLINE TO THE LETHAL  
DOSE OF POISONS IN RAT. [1963] 10p 5refs  
Order from SLA \$1.10 TT-64-10602

Trans. of Nihon Seirigaku Zasshi (Japan) 1962, v. 24,  
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DESCRIPTORS: \*Acetylcholine, \*Poisoning, Toxicity,  
Inhibition, Dosage, Rats,

I. Watanabe, A.  
II. Yuasa, T.

*K-H 13161*

(Biological Sciences--Toxicology, TT, v. 11, no. 10)

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Aug 59

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TT-64-14539

Onishi, Isao, Tamasaki, Kyoji, Sato, Toyoko, and  
Saito, Kenji.  
STUDIES ON THE RELATIONSHIP BETWEEN THE  
COMPOSITION OF ESSENTIAL OIL OF TOBACCO AND  
THE TASTE OF TOBACCO SMOKE. PT. I. A PRE-  
LIMINARY STUDY OF THE COMPOSITION OF THE  
ESSENTIAL OIL, EMPLOYING CHIEFLY AN INFRA-  
RED ABSORPTION SPECTROPHOTOMETRIC TECH-  
NIQUE. [1962] 48p 42refs  
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TT-64-14539

Trans. of [Nihon Sentai Kosha Chuo Kenkyusho Kenkyu  
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- I. Onishi, I.
- II. Tamasaki, K.
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(Chemistry--Analytical, TT, v. 11, no. 11)

Office of Technical Services

Onishi, Isao, Kohashi, Y., and Motomatsu, T.  
ORGANIC ACIDS OF TOBACCO, PT. 2. [1962] 9p.  
Order from K-H \$11.25      K-H 11436 b

Trans. of [Nihon Seibai Kosha Chuo Kenkyusho Kenkyu  
Hokoku] (Japan) 1954, v. 90, p. 33-38.

DESCRIPTORS: \*Organic acids, \*Tobacco, Cigarettes,  
Chemical analysis.

(Chemistry--Analytical, TT, v. 9, no. 4)

62-17559

- I. Onishi, I.
- II. Kohashi, Y.
- III. Motomatsu, T.
- IV. K-H-11436-b
- V. Kresge-Hooker Science  
Library Associates,  
Detroit, Mich.

Office of Technical Services

Onishi, Isao, Yamamoto, Katsuki, and Shimitu, Rei.  
STUDIES ON THE EXTRACTION OF TOBACCO CON-  
STITUENTS WITH FREON. PT. 2. THE CONSTIT-  
UENTS OF YELLOW VARIETY TOBACCO LEAVES  
EXTRACTED BY FREON. [1962] 10p 9refs  
Order from SLA \$1.10 TT-64-14540

Trans. of [Nihon Senbai Kosha Chuo Kenkyusho Kenkyu  
Hokoku] (Japan) 1954, v. 90, p. 39-43.  
Another trans. is available from K-H \$11.25 as  
K-H-11436-c [1962] 9p.

(Chemistry--Analytical, TT, v. 11, no. 11)

TT-64-14540

- I. Onishi, I.
- II. Yamamoto, K.
- III. Shimitu, R.
- IV. Title: Constituents ...

Office of Technical Services

TT-64-14558

Onishi, Isao, Sasaki, Toshiro, and Tokura, Chie.  
STUDIES ON THE PHYSICAL AND CHEMICAL  
CHANGES PRODUCED IN TOBACCO LEAVES BY SI-  
MULTANEOUS APPLICATION OF PRESSURE AND  
HIGH FREQUENCY WAVES, PT. I. [1962] 32p 6refn  
Order from SLA \$3.60 TT-64-14558

- I. Onishi, I.
- II. Sasaki, T.
- III. Tokura, C.

Trans. of Nihon Senbai Kosha Chuo Kenkyusho Kenkyu  
Hokoku (Japan) 1954, v. 90, p. 86-100.  
Another trans. is available from K-H \$40.00 as  
K-H-11436-d [1962] 32p.

(Biological Sciences--Botany, TT, v. 11, no. 11)

Office of Technical Services

62-17387

Izawa, Masuo and Katsuki, Yamamoto.  
STUDIES ON THE PREVENTION OF MOLD  
DEVELOPMENT ON TOBACCO LEAVES. [1962] 2:tp.  
Order from K-H \$27.50 K-H 11436-e

18260) SLA 62-17387  
Trans. of [Nihon Senbai Koshu Chuo Kenkyusho  
Kenkyu Hokoku] (Japan) 1954, no. 90, p. 107-117.

DESCRIPTORS: \*Tobacco, \*Molds, Control,  
\*Plants.

(Agriculture--Plant Cultivation, TT, v. 8, no. 4)

- I. Izawa, M.
- II. Katsuki, Y.
- III. K-H-11436-e
- IV. Kresge-Hooker Science  
Library Associates,  
Detroit, Mich.

Office of Technical Services

62-17556

Onishi, Idao, Kyoji, Homma, and Kimiko, Shimura.  
MEASUREMENT OF THE EFFICIENCY OF A PULP-  
ING MACHINE. [1962] 20p.  
Order from K-H \$25.00

K-H 11436 f

Trans. of [Nihon Seabai Kosha Chuo Kenkyusho Kenkyu  
Hokoku] (Japan) 1954, v. 90, p. 131-141.

DESCRIPTORS: Measurement, \*Wood pulp, \*Machines,  
Effectiveness.

I. Onishi, I.  
II. Kyoji, H.  
III. Kimiko, S.  
IV. K-H-11436-f  
V. Kresge-Hooker Science  
Library Associates,  
Detroit, Mich.

*SHA-TT-64-14557*

(Machinery, Fabrications and Accessory Equipment,  
TT, v. 9, no. 4)

Office of Technical Services

Onishi, Isao, Homma, Kyoji, and Shimura, Kimiko.  
THE EFFECTS OF ULTRASONIC WAVES ON  
AQUEOUS SUSPENSION OF FIBERS. PT. 3.  
CONTINUOUS SEPARATION OF LONG FIBERS BY  
A METHOD UTILIZING ULTRASONIC WAVES. [1962]  
16p 5refs

Order from SLA \$1.60

TT-64-14562

Trans. of Nihon Senbai Kooha Chuo Kenkyusho  
Kenkyu Hokoku (Japan) 1954, v. 90, p. 142-149.  
Another trans. is available from K-H \$20.00 as  
K-H-11436-g [1962] 16p.

TT-64-14562

- I. Onishi, I.
- II. Homma, K.
- III. Shimura, K.
- IV. Title: Continuous...

(Materials--Paper, TT, v. 11, no. 11)

Office of Technical Services

Itaishi, Minami and Itaishi, Taeko.

ION EXCHANGE PREPARATION OF NICOTINE SULFATE, PT. II [1962] 24p.

Order from K-H \$10.00

K-H- 11436 b

Trans. of [Nihon Senbai Kosha Chuo Kenkyusho Kenkyu Hokoku (Japan) 1964, no. 90, p. 150-162.

DESCRIPTORS: \*Ion exchange, Preparation, \*Nicotine, \*Sulfates

(Chemistry--Organic, TT, v. 9, no. 5)

62-17527

- I. Itaishi, M.
- II. Itaishi, T.
- III. K-H-11436-b
- IV. Kresge-Hooker Science Library Associates, Detroit, Mich.

Office of Technical Services



62-22503

Kobata, Jiro and Akinaga, Y.  
ESTIMATION OF THE APPARENT DENSITY OF CUT  
LEAF. Pt. 1 of Studies on the Apparent [Volume] of  
Tobacco Leaves. [1962] 11p.  
Order from K-H \$13.75 K-H 5919-b

Trans. of [Nihon Senbai Kosha Chuo Kenkyusho Kenkyu  
Hokoku] (Japan) 1956, no. 96, p. 25-29.

DESCRIPTORS: \*Tobacco, \*Plants, Density.

(Biological Sciences--Botany, TT, v. 8, no. 9)

- I. Kobata, J.
- II. Akinaga, Y.
- III. Title: Studies ...
- IV. K-H-5919-b
- V. Kresge-Hooker Science  
Library Associates,  
Detroit, Mich.

Office of Technical Services

62-22502

Kobata, Jiro and Akinaga, Y.  
PHYSICAL PROPERTIES OF JAPANESE TOBACCO  
LEAVES. Pt. 2 of Studies on the Apparent Volume of  
Tobacco Leaves. 1962] 9p.  
Order from K-H \$11.25 K-H 5919-c

Trans. of [Nihon Senbai Kosha Chuo Kenkyusho Ken-  
kyu Hokoku] (Japan) 1956, no. 96, p. 30-33.

DESCRIPTORS: \*Tobacco, \*Plants, Physical  
properties.

(See also K-H-5919-b)

(Biological Sciences--Botany, TT, v. 8, no. 9)

- I. Kobata, J.
- II. Akinaga, Y.
- III. Title: Studies ...
- IV. K-H-5919-c
- V. Kresge-Hooker Science  
Library Associates,  
Detroit, Mich.

Office of Technical Services

62-22501

Kobata, Hiro, Akinaga, Y. and others.  
RELATION BETWEEN PHYSICAL AND CHEMICAL  
PROPERTIES AND STALK POSITION OF BRIGHT  
YELLOW LEAVES. Pt. 3 of Studies on the Apparent  
Volume of Tobacco Leaves. [1962] 17p.  
Order from K-H \$21.25      K-H 5919-d

Trans. of [Nihon Senbui Kosha Chuo Kenkyusho Ken-  
kyu Hokoku] (Japan) 1956, no. 96, p. 34-38.

DESCRIPTORS: \*Tobacco, \*Plants, Physical proper-  
ties, Chemical properties.

(See also K-H 5919-c)

(Biological Sciences--Botany, TT, v. 8, no. 9)

- I. Kobata, J.
- II. Akinaga, Y.
- III. Title: Studies ...
- IV. K-H-5919-d
- V. Kresge-Hooker Science  
Library Associates,  
Detroit, Mich.

Office of Technical Services

62-22894

Iizawa, Masao, Kobashi, Yusuke and others.  
INVESTIGATION OF FILTER-TIPPED CIGARETTES  
MANUFACTURED IN FOREIGN COUNTRIES, PT. 3.  
[1962] 34p.

Order from K-H \$42.50

K-H 6063 g

Trans. of [Nihon Senbai Kooha Chuo Kenkyusho Kenkyu  
Hokoku] (Japan) 1956, v. 96, p. 91-105.

DESCRIPTORS: \*Cigarettes, \*Smokes, \*Tobacco.

- I. Izawa, M.
- II. Kobashi, Y.
- III. K-H-6063-g
- IV. Kresge-Hooker Science  
Library Associates,  
Detroit, Mich.

(Chemistry, TT, v. 9, no. 4)

Office of Technical Services

62-22847

Wada, Einosuke, Kyoji, Yamasaki and others.  
STUDIES ON THE TOBACCO ALKALOIDS INFRARED  
ABSORPTION SPECTRA OF THE TOBACCO ALKA-  
LOIDS AND SOME RELATED COMPOUNDS. [1962]  
27p.

Order from K-H \$33.75

K-H 6445 e

Trans. of [Nihon Senbai Kosha Chuo Kenkyusho Kenkyu  
Hokoku] (Japan) 1957, v. 97, p. 27-39.

DESCRIPTORS: \*Tobacco, Nicotine, \*Alkaloids, \*Infra-  
red spectroscopy, \*Absorption spectra.

(Chemistry--Physical, TT, v. 9, no. 4)

I. Wada, E.  
II. Kyoji, Y.  
III. K-H-6445-e  
IV. Kresge-Hooker Science  
Library Associates,  
Detroit, Mich.

Office of Technical Services

62-22848

Wada, Einosuke, Ihida, Masanao, and Nakayama, Yoshiko.

THE ENZYMATIC OXIDATION OF CHLOROGENIC ACID AND CAFFEIC ACID IN THE PRESENCE OF NORNICOTINE, PT. II. [1962] 17p.  
Order from K-H \$21.25 K-H 6445-d

Trans. of [Nihon Senbai Kosha Chuo Kenkyusho Kenkyu Hokoku] (Japan) 1957, v. 97, p. 43-48.

DESCRIPTORS: \*Enzymes, \*Oxidation, \*Nicotine, Biochemistry, \*Chlorogenic acid, \*Caffeic acid.

(Biological Sciences--Biochemistry, TT, v. 9, no. 4)

- I. Wada, E.
- II. Ihida, M.
- III. Nakayama, Y.
- IV. K-H-6445-d
- V. Kresge-Hooker Science Library Associates, Detroit, Mich.

Office of Technical Services

Nagasawa, Masatoshi and Taguchi, Taeko.  
SHIKIMIC ACID IN FLUE-CURED TOBACCO LEAF.  
[1961] 6p. 12 refs.  
Order from SLA \$1.10

61-20231

Trans. of [Nihon Senbai Koshu Chuo Kenkyusho  
Kenkyu Hokoku] (Japan) 1958, no. 99, p. 8-9.

DESCRIPTORS: \*Tobacco, \*Plants, \*Shikimic acid.

The occurrence of shikimic acid in flue-cured tobacco leaf was confirmed by the results of the qualitative tests. The spectrophotometric analysis indicated its concentration to be approximately 16 mg. per 100 g. of dry material. The experimental results support the view that shikimic acid is an intermediate compound in the formation of chlorogenic acid during flue-curing of tobacco leaf. (Author)

(Agriculture--Plant Cultivation, TT, v. 7, no. 9)

61-20231

I. Nagasawa, M.  
II. Taguchi, T.

Office of Technical Services

Kobashi [Yusuke], Sakaguichi, Slocht, and Izawa,  
Masao.

INFLUENCE OF MOISTURE CONTENT OF CIGA-  
RETTES ON COMBUSTION TEMPERATURE AND  
AMOUNT OF NICOTINE TRANSFERRED INTO CIGA-  
RETTE SMOKE. Oct 60, 10p.

Order from K-H \$12.50 K-H 10309-a

Trans. of [Nihon Senbai Kosha Chuo Kenkyusho Kenkyu  
Hokoku] (Japan) 1960, no. 102, p. 6-9.

DESCRIPTORS: \*Nicotine, \*Tobacco, \*Cigarettes,  
\*Smokes, \*Combustion, Moisture.

(Chemistry, TT, v. 8, no. 4)

62-17398

63-16120

- I. Kobashi, Y.
- II. Sakaguichi, S.
- III. Izawa, M.
- IV. K-H-10309-a
- V. Kresge-Hooker Science  
Library Associates,  
Detroit, Mich.

Office of Technical Services



62-17399

Kobashi, Yusuke and Sakaguchi, Stochi.  
THE COMBUSTION TEMPERATURE, COMBUSTIBILITY  
AND AMOUNT OF NICOTINE TRANSFERRED TO  
THE SMOKE OF FOREIGN-MADE CIGARETTES.

Oct 60, 7p.

Order from K-H \$8.75

K-H 10309-b

Trans. of [Nihon Senbai Kosha Chuo Kenkyusho Kenkyu  
Hokoku] (Japan) 1980, no. 102, p. 10-12.

DESCRIPTORS: \*Nicotine, \*Tobacco, \*Cigarettes,  
\*Smokes, \*Combustion.

- I. Kobashi, Y.
- II. Sakaguchi, S.
- III. K-H-10309-b
- IV. Kresge-Hooker Science  
Library Associates,  
Detroit, Mich.

(Chemistry, TT, v. 8, no. 4)

Office of Technical Services

Kobashi, Y[usuke] and Sakaguchi, Siochi.  
INVESTIGATION CONCERNING THE NICOTINE  
TRANSFERRED TO SMOKE OF CIGARETTES TO  
WHICH NICOTINE HAS BEEN ADDED. Oct 60, 7p.  
Order from K-H \$8.75 K-H 10309-c

Trans. of Nihon Sanbai Kosha Chuo Kenkyusho Kenkyu  
Hokoku (Japan) 1960, no. 102, p. 13-15.

DESCRIPTORS: \*Nicotine, \*Tobacco, \*Cigarettes,  
\*Smokes.

(Chemistry, TT, v. 8, no. 4)

62-17397

- I. Kobashi, Y.
- II. Sakaguchi, S.
- III. K-H-10309-c
- IV. Kresge-Hooker Science  
Library Associates,  
Detroit, Mich.

Office of Technical Services

61-20883

Kanai, Isao and Baba, Yoko.

WHITENESS OF CIGARETTE ASH. [1961] [17]p.

18 refs.

Order from SLA \$1.60

61-20883

I. Title: Whiteness

I. Kanai, I.

II. Baba, Y.

Trans. of [Nihon Senbai Kosha Chuo Kenkyusho Kenkyu Hokoku] (Japan) 1961, no. 103, p. 19-24.

DESCRIPTORS: \*Cigarettes, \*Tobacco, \*Ashes, Inorganic substances, \*Reflectometers, \*Photoelectric cells, Combustion.

Cigarette ashes were prepared by artificial smoking of cigarettes prepared from 10 varieties of leaves. The ashes were dried, ground in a mortar, passed through a sieve and spread on metallic dishes with the aid of a cylindrical object made of metal. The reflectance of the surfaces was measured with a Photovolt photoelectric reflection meter and expressed as a percentage of the reflectance of a standard plate. The whiteness of (Chemistry--Analytical, TT, v. 8, no. 3) (over)

Office of Technical Services

Arai, Kanco, Iida, Masanao, and Kisaki, Takuro.  
CHANGE IN THE ALKALOID CONTENT OF THE TO-  
BACCO PLANT DURING ITS GROWTH AND FLUE-  
CURING. [1962] 16p.

Order from K-H 520.00

K-H 11707

(#160) SLA 63-16478  
Trans. of [Nihon Sentai Kosha Chuo Kenkyusho Kenkyu  
Hokoku] (Japan) 1961, no. 103, p. 45-49.

DESCRIPTORS: \*Tobacco, Growth, Processing. \*Alka-  
loids, Plants.

(Agriculture--Plant Cultivation, TT, v. 8, no. 5)

62-17392

62-16478

- I. Arai, K.
- II. Iida, M.
- III. Kisaki, T.
- IV. K-H-11707
- V. Kresge-Hooker Science  
Library Associates,  
Detroit, Mich.

Office of Technical Services

Masuo, Yutaka, Fukusawa, Masaru, and Tsuzuki,  
Keiko.  
STUDIES ON THE PHYSICAL PROPERTIES OF LEAF  
TOBACCOS. I. THE TENSILE STRENGTH AND ELON-  
GATION OF TOBACCO LEAVES. [1963] 13p 12refs  
Order from SLA \$1.60 TT-64-14528

Trans. of [Nihon Senbai Kosha Chuo Kenkyusho Kenkyu  
Hokoku] (Japan) 1961, v. 103, p. 56-62.

(Biological Sciences--Botany, TT, v. 11, no. 11)

TT-64-14528

I. Masuo, Y.  
II. Fukusawa, M.  
III. Tsuzuki, K.  
IV. Title: Tensile ...

Office of Technical Services

Abe, Isao; Masuo, Yutaka, and Tsuzuki, Keiko.  
STUDIES ON PHYSICAL PROPERTIES OF LEAF  
TOBACCOS. II. ON THE SOFTNESS OF TOBACCO  
LEAVES. [1963] 17p.  
Order from K-H \$17.00 K-H-12649

Trans. of [Nihon Sanbai Kosha Chuo Kenkyusho  
Kenkyu Hokoku] (Japan) 1962, no. 104, p. 37-41.

DESCRIPTORS: \*Tobacco, Physical properties.

(Agriculture, TT, v. 10, no. 2)

63-17289

- I. Abe, I.
- II. Masuo, Y.
- III. Tsuzuki, K.
- IV. K-H-12649
- V. Kresge-Hooker Science  
Library Associates,  
Detroit, Mich.

Office of Technical Services

63-12157

Yamazaki, M. and Kataoka, S.  
SOLVENT EXTRACTION TITRATION METHOD FOR  
THE DETERMINATION OF NICOTINE AND NORNIC-  
OTINE IN TOBACCO. [1962] 13p.  
Order from K-H \$16.25 K-H 12002-h

I. Yamazaki, M.  
II. Kataoka, S.  
III. K-H-12002-h  
IV. Kresge-Hooker Science  
Library Associates,  
Detroit, Mich.

Trans. of [Nihon Senbai Kosha Chuo Kenkyusho Kenkyu  
Hokoku] (Japan) 1962, no. 104, p. 71-75.

DESCRIPTORS: \*Tobacco, Separation, \*Nicotine,  
\*Titration, Determination.

(Chemistry--Analytical, TT, v. 9, no. 2)

Office of Technical Services

Kato, Kunio and Shibayama, Yasuko.  
PRODUCTS OF THERMAL DECOMPOSITION OF  
VANILLIN AND THEIR TRANSFER TO CIGARETTE  
SMOKE. [1964] 21p  
Order from K-H \$12 60 K-H-12616

Trans. of [Nihon Serbai Kooha Chuo Kenkyusho Kenkyu  
Hokoku] (Japan) 1962, v. 104, p. 115-121.

(Chemistry, TT, v. 11, no. 11)

TT-64-12915

- I. Kato, K.
- II. Shibayama, Y.
- III. K-H-12616
- IV. Kresge-Hooker Science  
Library Associates,  
Detroit, Mich.

Office of Technical Services



62-17391

Kanai, Isao and Baba, Yoko.  
WHITENESS OF CIGARETTE ASH. [1962] 16p.  
Order from K-H \$20.00 K-H 11153-a

Trans. of [Nihon Sen'i Kosha Chuo Kenkyusho Kenkyu  
Hokoku] (Japan) 1961, no. 103, p. 19-24.  
Another trans. is available from SLA \$1.60 as  
61-20883 [1961] [17]p.

DESCRIPTORS: \*Cigarettes, \*Tobacco, \*Ash, In-  
organic substances, \*Reflectometers, \*Photoelectric  
cells, Combustion.

For abstract see Technical Translations 8: 230, 1962.

(Chemistry--Analytical, TT, v. 9, no. 2)

- I. Kanai, I.
- II. Baba, Y.
- III. K-H-11153-a
- IV. Kresge-Hooker Science  
Library Associates,  
Detroit, Mich.

Office of Technical Services

Ezawa, Masao, Kobashi, Yusuke and others.  
DISTRIBUTION OF NICOTINE IN CIGARETTE- SMOKE  
AND BUTTS: COMPARISON OF KING SIZE AND  
REGULAR SIZE CIGARETTES. Pt. II(2) of Studies on  
Tobacco Smoke. [1962] 11p.  
Order from K-H \$13. 75      K-H 6063-f

Trans. of [Nihon Senbai Kosha Chuo Kenkyusho Kenkyu  
Hokoku] (Japan) 1956, no. 96, p. 86-90.

DESCRIPTORS: Tobacco, Smokes, \*Cigarettes,  
\*Nicotine, Distribution.

(Chemistry--Analytical, TT, v. 9, no. 2)

62-22463

- I. Ezawa, M.
- II. Kobashi, Y.
- III. Title: Comparison ...
- IV. Title: Studies ...
- V. K-H-6063-f
- VI. Kresge-Hooker Science  
Library Associates,  
Detroit, Mich.

Office of Technical Services

Hayashi, Kenzo.

CELL STIMULANT EFFECT OF HIGH WATER  
(HYDRAULIC) PRESSURE AND ITS CHARACTER-  
ISTICS. [1963] 46p (figs tables omitted) 92refs  
Order from SLA \$4.60

TT-63-20375

Trans. of [Nihon Seirigaku Zasshi] (Japan) 1961,  
v. 23, p. 527-546. (Abstract available)

DESCRIPTORS: \*Cells (Biology), \*Physiology, \*Bio-  
physics, Water, \*Pressure, Cytochemistry,  
Metabolism, Stimulation, Ecology.

In many structural cells, their activity is increased  
and their functions are promoted when the environmental  
hydraulic pressure is raised to  $10^2$  atmospheres.  
Physically and chemically, the pressure of this kind  
brings about a change in the degree of dissociation,  
viscosity and enzyme activity of the cell components  
(Biological Sciences--General, TT, v. 11, no. 3 (over))

TT-63-20375

I. Hayashi, K.

Office of Technical Services

J-1270/63

Concerning the Japan Socialist Party's Agricultural  
Basic Law Draft, 56 pp.

JAPANESE, rpt, Nihon Shakai to no Nogyo Kihonhoan ni  
Tsuite, No 8, 1963, 85 pp.

*q*  
\*JPRS/SPECIAL / SF-2848

FE - Japan  
Pol, Econ  
Sept 63

Some Aspects of the Behavior of  
Couplers in Color Photography. Part II.  
The Irregular Dye Formation of Some  
Magenta Couplers in Color Development,  
by M. Oguchi.  
JAPANESE, per, Nippon Shashin Gakkai  
Kaishi, Vol 26, 1963, pp 23-27.  
NTC 72-11119-14E

May 72

Some Aspects of the Behavior of  
Couplers in Color Photography. Part III.  
The Mechanism of Dye Formation of  
Pyrazolone Magenta Couplers, by  
M. Oguchi.  
JAPANESE, per, Nippon Shashin Gakkai  
Kaishi, Vol 26, 1963, pp 28-33.  
NTC 72-11120-14E

May 72

Latent Image Fading in Gamma-graphy, by Y. Tomoda,  
N. Nakamura,

JAPANESE, per, Nihon Shashin Gekka Kaishi, Vol XXI,  
No 1, 1958, pp 16-19.

SLA 59-10300

Sci

Dec 59

Vol 2, No 4

103,134

Studies on the Automatic Color Printer, by  
H. Genda, S. Kubo, 7 pp.

JAPANESE, per, Nihon Shashin Gakkai Kaishi,  
Vol XXI, No 1, 1958, pp 20-23.

ATS-10140J

Sci

187,740

12 Mar 62

Vol 4, No 4



Dichroism of Pyrazolone Dyes in Stretched  
Polyvinyl Alcohol Sheets, 9 p.

JAPANESE, per, Nihon Shashin Gakkai Kaishi,  
1958, Vol XXI, pp 115-120,

ATS-21L34J

Sci  
Mar 60  
Vol 2, No 11

109,624

Studies of Simultaneous Development and  
Fixing for Multi-Layer Color Films, by H. Genda.  
JAPANESE, per, Nippon Shashin Gakkai Kaishi,  
Vol 21, No 3, 1958, pp 33-37.  
NTC-70-13197-14E

Feb 72

Rapid Processing of Positive Photos, by [unclear]  
Tokyo, 18 pp.

*Kaiki*  
JAPANESE, per, Nihon Shashin Ganka Kaiiki  
Vol XIII, No 1, pp 18-25.

SLA 69-16928

198, 017

Sci

May 62  
Vol 1, No 8

Studies on the Automatic Color Printer,  
II., by H. Genda, S. Kubo, 11 pp.

JAPANESE, per, Nihon Shashin Gakkai Kaishi,  
1979, Vol XXXI, No 1, pp 26-32.

ATS-41110J

Sci  
26 Mar 62  
Vol 4, No 1

187, 734

Influence of the Chemical Sensitization of the  
Photographic Pressure Effect, by Yoshichika  
Kobayashi, 11 pp.

JAPANESE, per, Nihon Shashin Gakkai Kaishi,  
Vol. IXII, No 3, 1959, pp 134-138.

SLA 60-188483

XSci  
Jul 62

203,558

Vol 4, No 12

A Rapid Spectrometric Method for the  
Determination of 1-Phenyl, 3-Pyrazolidone  
in Photographic Developers, by E. Tojo  
K. Kurosaki, et al, 8 pp.  
JAPANESE, per, Nippon Shashia Gakkai Kaishi,  
Vol XXIII, 1960, pp 123-127.  
ACSI I-9795  
ID 2204006866

Sci-Phys  
Aug 66

306,597

Ooue, S. and Ueda, H.  
LETTER CAPACITY OF PHOTOGRAPHIC  
MATERIALS. [1963] 8p.  
Order from ATS \$8.50      ATS-90Q69]

Trans. of Nihon Shashin Gakkai Kaishi (Japan) 1961,  
v. 24, no. 1, p. 36-40.

DESCRIPTORS: \*Photographic equipment,  
Photography.

(Materials--Photographic, TT, v. 10, no. 6)

63-17727

- I. Title: Letter capacity
- I. Ooue, S.
- II. Ueda, H.
- III. ATS-90Q69]
- IV. Associated Technical  
Services, Inc.,  
East Orange, N. J.

Office of Technical Services

Kawasaki, M.  
PHOTOGRAPHIC PROPERTIES OF SILVER CAR-  
BOXYLATE EMULSIONS. PT. 2. PHOTOGRAPHIC  
SENSITIVITY OF SILVER AROMATIC CARBOXYLATE  
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ATS-17Q67J

Trans. of Nihon Shashin Gakkai Kaishi (Japan) 1962,  
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DESCRIPTORS: \*Photographic emulsions, Photo-  
chemistry, \*Silver compounds, Carboxylic acids,  
Esters, Sensitivity.

(Materials--Photographic, TT, v. 10, no. 1)

63-17129

- I. Kawasaki, M.
- II. Title: Photographic...
- III. ATS-17Q67J
- IV. Associated Technical  
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DESCRIPTORS: \*Electrophotography.

(Materials--Photographic, TT, v. 11, no. 4)

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